



PATENT ABSTRACTS OF JAPAN

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CO LTD:THE**(72) Inventor: **IWANAMI TERUO**(54) **SINTERED PRODUCT AND ITS PREPARATION**

(57) Abstract:

PURPOSE: To obtain a sintered product having hydrophilic properties, oil resistance, solvent resistance, high strength, and a skin layer with increased porosity, by the sinter molding of particles of resin blend composed of a specific vinyl alcohol copolymer and a thermoplastic resin.

CONSTITUTION: (A) 100pts.wt. of particles of a resin blend composed of (a) 98W 40wt% of a vinyl alcohol copolymer having a melt flow index of ≤ 10 at a temperature higher than its molting point by 10°C, and (b)

2W60wt% of a thermoplastic resin having a melting point or a flow initiation temperature of $\approx 80^{\circ}\text{C}$ and lower than the melting point of said vinyl alcohol copolymer, is optionally compounded with (B) 0W200pts.wt. of an inorganic filler, and charged into a preheated mold. The resin is sintered at a tneperature to melt only the surface of the particles, by raising the temperature of the mold under pressure, and cooled to obtain a sintered product having a porosity of 25W95%.

USE: The product thus prepared has excellent surface qualities and desired hardness, and is suitable for kerosene filter, ink roller, etc.

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